

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number  
**WO 2005/041475 A1**

(51) International Patent Classification<sup>7</sup>: H04L 9/32, 12/56, H04Q 7/38, 7/22

(21) International Application Number: PCT/SE2003/001658

(22) International Filing Date: 24 October 2003 (24.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-164 83 Stockholm (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): RÖNNEKE, Hans [SE/SE]; Källasgårdsgata 18, S-434 36 Kungsbacka (SE).

(74) Agents: BERGENTALL, Annika et al.; Cegumark AB, P.O. Box 53047, S-400 14 Göteborg (SE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

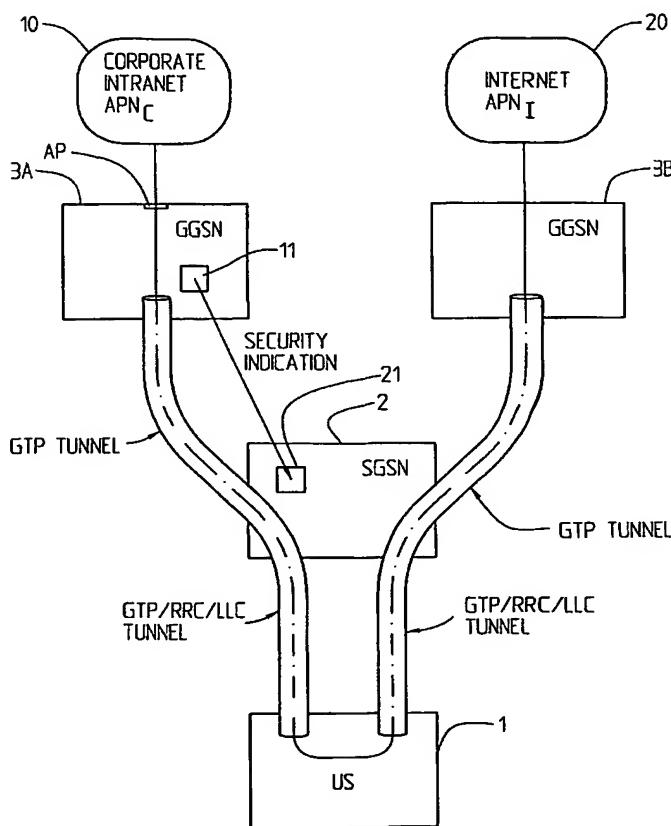
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: ARRANGEMENTS AND METHODS RELATING TO SECURITY IN NETWORKS SUPPORTING COMMUNICATION OF PACKET DATA



(57) Abstract: The present invention relates to a system nodes and a method for enhancing security of end user station access to Internet and intranet(s), e.g. of corporate access, over access network access points, comprising gateway packet data nodes (3A,3B), packet data support nodes (2). It further comprises security indication providing means (11) for providing an (corporate) access point with a security criterium indication (defining security) and for distributing said security indication to a packet data support node (2). A security enforcement mechanism (21) is provided in the packet data support node (2), said security enforcement mechanism (21) at least providing for preventing all other traffic not fulfilling the security criterium conflicting the security indicated access point when there is a connection requiring security over the security indicated access point, at least until the last packet of the security indicated access point connection has been sent.

WO 2005/041475 A1



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*